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Patent Record View

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Patent/Publication: TW404136B Process method preceding the image compression and the device itself

Bibliographic

English Title

Process method preceding the image compression and the device itself

Assignee

Standardized: IND TECH RES INST

Inventor

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TW1999112042A / 1999-04-14

Priority Number / Date / Country

TW1999112042A / 1999-04-14 / TW

Abstract

Abstract

The invention is a process method preceding the image compression and the device itself. It uses Just-Noticeable-Distortion (JND) technique to take account of the most notable between Contrast masking and Spatial masking effects to acquire a JND function value. It adjusts the brightness value of each pixel in the spatial domain towards the averages of the image block brightness, and the adjustment is under the JND function value of the pixel. The bit stream length is effectively shortened after the image compression by using the masking effects of human visual system. It reduces the perception redundancy related to the contrast masking effect without affecting the image quality to make the pixel brightness after the adjustment concentrated to the brightness average, so that the high frequency part of the image is deleted and the bit number required for image compression/decoding is reduced.

Classes/Indexing

IPC

IPC Code(1-7) H04N 7/24

(7)

Current IPC-R	Invention	Version	Additional	Version
Advanced	H04N 7/24	20060101	-	-
Core	H04N 7/24	20060101	-	-
Subclass	-	-	-	-

Legal Status

INPADOC Legal Status

Gazette Date	Code	Description
2001-02-19	GD4A +	ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION PATENT

Get Family Legal Status

Family

Family

 Expand INPADOC Family (4)

Claims


No Claims exist for this Record

Description


Background/ Summary

 Expand Background/Summary

Drawing Description

 Expand Drawing Description

Description

 Expand Description

Citations

Citations

Citing Patents (0)

Cited Patents (0)

Cited Non-patents (0)

Other

No Other exists for this Record

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